

Performance Monitoring of Multiple Channels in an Automatic
Protection Switched Network

ABSTRACT OF THE DISCLOSURE

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10 A performance management unit manages a primary interface
and a standby or secondary interface to two channels of an op-
tical communications network having APS capabilities. Each per-
formance parameter is associated with three counters. First and
15 second counters are linked to registers of the primary and the
secondary ports, and the third counter is linked to the regis-
ters of the currently active port. When a protection switch oc-
curs, the first and second counters are immediately read and
reset. The third counter continues accumulating data, but be-
comes associated with the new active port. At the end of a read
interval, the third counter correctly reflects the number of
data received, regardless of switchovers between the primary
and secondary channels.